



4th Annual HSE EXCELLENCE FORUM IN OIL, GAS & PETROCHEMICALS

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DoE-EiMAS

**CEP
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19 - 21 August 2014

The Royale Chulan Hotel, Kuala Lumpur, Malaysia

4TH ANNUAL HSE EXCELLENCE FORUM IN OIL, GAS & PETROCHEMICALS



WHITE PAPER ON SUGGESTIONS TO ACHIEVE HSE EXCELLENCE

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► PREAMBLE:

4th Annual HSE Excellence Forum was conducted by Fleming Gulf Conferences at **Kuala Lumpur** from **19 – 21 August 2014**. The forum was supported by Ministry of Natural Resources & Environment, Malaysia and Ministry of Health, Malaysia. It was also endorsed by HSE professional associations' viz. American Society of Safety Engineers, Malaysian Industrial Hygiene Association and World Safety Organization. The Forum was inaugurated by Hon. YB Dato' Sri Dr James Dawos Mamit, Deputy Minister, Ministry of Natural Resources & Environment, Malaysia. In his inaugural address, he emphasized on worker safety and how environmental protection needs to be given by industries while focusing on productivity. He also assured of extending all necessary support to industries in this process and appreciated Fleming Gulf to host such conferences at Kuala Lumpur by inviting local, regional and international experts in HSE field.

► FORUM HIGHLIGHTS:

Around **100 delegates** participated in the Forum from **government, private and public sector oil, gas & petrochemical companies**. About **16 top industry experts** in the field of HSE representing academic, government, oil & gas industries, professional associations etc delivered their technical presentations, case studies and best practices during the two days Forum. The focus of forum discussions was on achieving HSE excellence in oil, gas & petrochemical industries. At the end of two days forum proceedings, an exclusive CASP dialogue session among all Conference Advisers, Speakers and Participants (delegates) was held to suggest various ways and means to achieve HSE excellence in Oil, Gas and Petrochemical Industries. Following are the compiled list of top suggestions provided during CASP session:

1. Exert efforts in engaging senior management and employee involvement in implementing HSE initiatives and programs from concept to execution stages.
2. Ensure and identify applicable HSE regulations for respective operations and identify international best practices / applicable standards wherever regulations are not in place.
3. Conduct Hazard identification and risk management mapping process of all operations and evaluate control measures to mitigate risks.
4. Conduct a gap analysis of applicable regulations and current status of its compliance; develop programs to ensure the full compliance of regulations.
5. Establish HSE roles & responsibilities for senior management, line management and all key personnel and integrate these responsibilities through HSE KPIs into their operational KPIs.
6. Ensure empowerment of workforce to handle unsafe conditions, effective implementation of Stop work authority, shortcuts to be avoided, involve all concerned workers in reviewing and development of relevant job safety analysis job hazard analysis etc.
7. Establish a proper training and awareness mechanism to educate senior management, line management and workforce at all levels on applicable HSE issues

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8. Establish a mechanism within the Organization to share best practices, learnings from incident investigation recommendations, state-of-art technologies of risk reduction processes along with similar organizations on local, regional and international levels.
9. Check and analyze the best practice applicable for the industry by reviewing them on technical, economical, commercial and organizational issues and implement them as applicable.
10. Provide detailed technical specifications in contract / tender documents and ensure its compliance by contractors, so that even lowest bidding contractor also complies with relevant technical specifications and ensure its compliance during the execution / operation for safe completion of any construction or maintenance & repair projects / operations. Educate management for their good understanding that it is more important to focus on mechanically safe completion and not pressure contractors to beat the schedule which could lead to short cuts with potentially unsafe sloppy completion of projects.
11. Carry out a bridging of Contractor HSE documents / procedures with Company HSE procedures and ensure their compliance during all phases of project including operational phases.
12. Avoid blame culture, encourage reinforcement of positive behavior among the workforce, encourage reporting of unsafe conditions, near misses etc.
13. Provide reward and disciplinary process for positive HSE behaviors and at the same time for HSE violations of company / contractor HSE procedures respectively
14. Ensure senior management of company and contractors are conducted periodic site visits, understand workforce HSE concerns, issues and provide directives and required resources in improving workplace safety
15. Establish a mechanism to review the HSE performance of company & contractors with senior management.
16. Establish a networking mechanism among all HSE professionals within the Company (between the Company and Contractor), engage respective government agencies in this process and also enlarge this networking to local, regional and international levels to have a bench marking process in improving HSE performance.
17. Engage senior management and line management to participate in local, regional and international HSE conferences, symposiums, workshops etc to learn, share and gain best practices/ understand latest HSE standards / developments etc.
18. Carryout a benchmarking of the HSE performance with peers and consider appropriate corrective actions to comply with peers / for further improvement.
19. Always adopt a concept of "Think Globally... Act Locally" in implementing new technologies for continuous improvement of HSE performance, provide an opportunity for local HSE professionals to have a local chapter / forums / associations with international reputed HSE professional societies like ASSE, IOSH, AIHA etc.
20. HSE excellence is a journey and not a destination and senior management, line management, workforce and contractors needs to be engaged in this process at all levels.

Although, improvement in HSE performance across the World is in positive trend, incidents world-wide suggest, but much work still needs to be done! Currently, standards, policies and procedures are existing, but, lack of implementation and enforcement is seen. The culture still is based on production and profitability. **"HSE is a lip service"**. It is a challenge to educate the management, who once believed that **"HSE is the HSE professionals' responsibility"**. With effective communication, initiatives like corporate social responsibility, GRI reporting etc, it has now turned into - **"HSE is the management responsibility"**. Oil & Gas and Petrochemical industries efforts must continue to make **"HSE excellence"**. It involves team work through engaging workers, supervisory line-management, policy making executive management and the HSE professionals, and one must remember that production, profits and HSE go hand in hand". On a long run, this approach would be prudent socially, morally, legally and financially.